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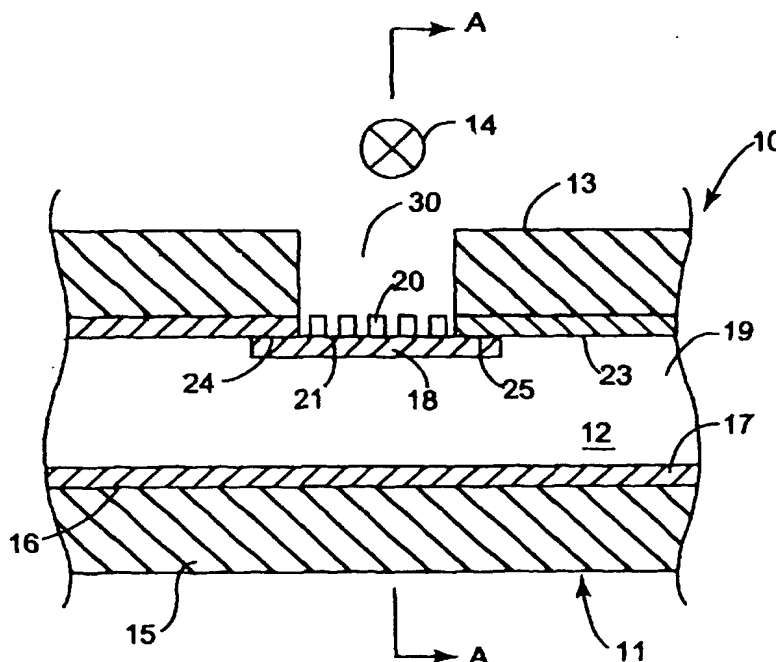
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(54) Title: **TUNEABLE PHASE SHIFTER AND/OR ATTENUATOR**



(57) **Abstract:** The invention relates to a tuneable phase shifter and/or attenuator comprising a waveguide having a channel and a piece of photo-responsive material (18) disposed within the waveguide along an internal wall of said channel, a light source disposed outside the waveguide to emit light through an aperture (30) of said internal wall to impinge on at least part of an outside surface of said piece of photo-responsive material (18).